

HM-TD1017-2/QW-HS121 Thermal Presence Detector



HIKMICRO thermal presence detector is designed for indoor usage. With thermal technology, it protects your privacy. The people number exception alert, offers you presence detection. The relay out can be linked for light, air condition system control to conserve energy. It is widely used in office, nursing room, meeting room, classroom, and library.

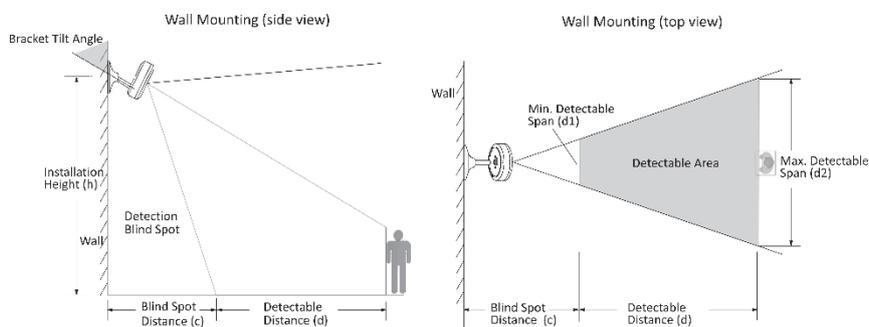
- 160× 120 resolution, 17 μm , VOx UFPA, NETD < 50 mK (25°C, F1.1)
- People number exception and presence detection with thermal solution, protects your privacy.
- Healthy tracking, detects specific groups' abnormal behavior like out of bed to prevent an accident.
- Temperature exception alarm for fire prevention, -10°C to 200°C (14°F to 392°F), $\pm 8^\circ\text{C}$ ($\pm 14.4^\circ\text{F}$)
- Relay out for light, air-condition system control, conserves energy
- 2.4GHz Wi-Fi, easy for set-up.

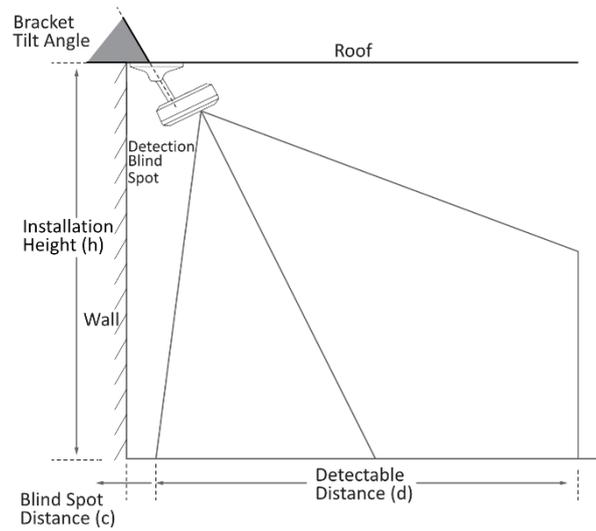
▪ Specification

| Thermal Module | |
|------------------------|--|
| Image Sensor | Vanadium Oxide Uncooled Focal Plane Arrays |
| Resolution | 160 × 120 |
| Pixel Pitch | 17 μm |
| Spectral Range | 8 μm to 14 μm |
| NETD | < 50 mK (25°C, F1.1) |
| Focal Length | 1.9 mm |
| IFOV | 8.95 mrad |
| Field of View | 90.0°(H) × 65.3°(V) |
| Min. Focusing Distance | 0.1 m |
| Aperture | F1.1 |
| Smart Function | |
| Temperature Range | -20°C to 200°C (14°F to 392°F) |
| Temperature Accuracy | ± 8°C (± 14.4°F) |
| Video and Audio | |
| Main Stream | Thermal: 25 fps (320 × 240, 352 × 288, 640 × 480, 704 × 576, 1280 × 720) |
| Sub-stream | Thermal: 25 fps (320 × 240, 352 × 288, 704 × 576) |
| Third Stream | Thermal: 25 fps (320 × 240, 352 × 288, 704 × 576, 1280 × 720) |
| Video Compression | H.265/H.264 |
| Network | |
| Protocols | IPv4,IPv6,HTTP,HTTPS,Qos,SMTP,DNS,DDNS,NTP,RTSP,RTP,TCP,UDP,DHCP |
| Network Storage | MicroSD/SDHC/SDXC card (up to 256 G) local storage, NAS (NFS, SMB/CIFS), Auto Network Replenishment (ANR) |
| API | ISAPI, HIKVISION SDK, and third-party management platform, Open Network Video Interface (Profile S, Profile G) |
| Simultaneous Live View | Up to 20 channels |
| User/Host level | Up to 32 users, 3 levels: Administrator, Operator, User |
| Security | User authentication (ID and Password), MAC address binding, HTTPS encryption, IEEE 802.1x(EAP-MD5, EAP-TLS), access control, IP address filtering |
| Client | iVMS-4200 |
| Web Browser | Live view (plug-in allowed) : Internet Explorer 11 Live view (plug-in free) : Chrome 57.0 +, Firefox 52.0 + Local service : Chrome 57.0 +, Firefox 52.0 + |
| Mobile Communication | |
| Wi-Fi | Wi-Fi standard: IEEE802.11b, 802.11g, 802.11n Frequency range: 2.4GHz~2.4835GHz Channel bandwidth: Support 20MHz Security: 64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK |

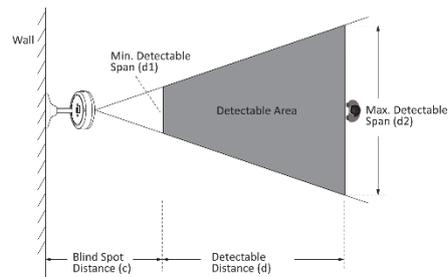
| Interface | |
|------------------------------|---|
| Alarm Output | 1, alarm output (alarm response actions configurable) |
| Alarm Action | SD recording/Relay output/Smart capture/FTP upload |
| Reset Key | 1 reset button built in the motherboard |
| Communication Interface | 1, RS-485 interface (half duplex) |
| General | |
| Web Client Language | 32 languages English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil) |
| Power Supply | 5-16 VDC, type-C PoE available (type-C to PoE convertor) |
| Power Consumption | 5-16 VDC: 0.22-0.7 A, Max. 3.5 W |
| Working Temperature/Humidity | Temperature: -10°C to 40°C (14°F to 112°F) Humidity: 95% or less |
| Dimensions | φ70mm × 25 mm (φ2.75" × 0.98") |
| Weight | 100 g (0.22 lb) |

▪ Installation Recommendation





Ceiling Tilt Mount Side View

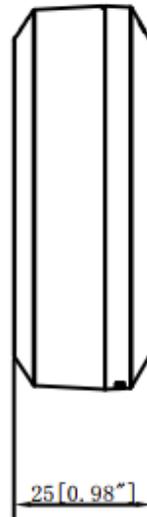
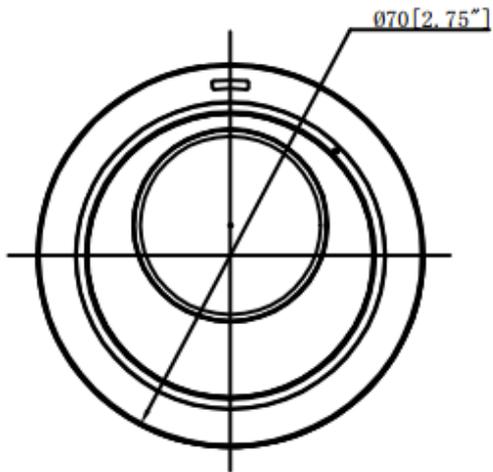


Ceiling Tilt Mount Top View

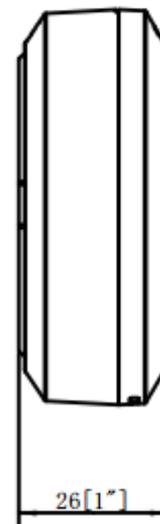
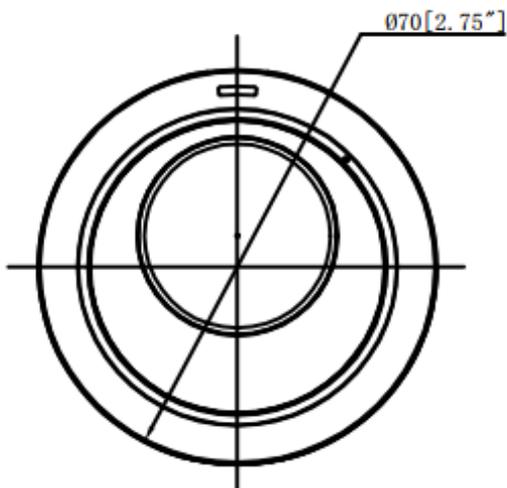
| Installation Height (h) | Bracket Tilt Angle | Blind Spot Distance (c) | Detectable Distance (d) | Min. Detectable Span (d1) | Max. Detectable Span (d2) |
|-------------------------|--------------------|-------------------------|-------------------------|---------------------------|---------------------------|
| 2.8m (max) | 57.5° | 0 m | 3.0 m | 2.3 m | 5.7m |

- **Available Model**
HM-TD1017-2/QW-HS121

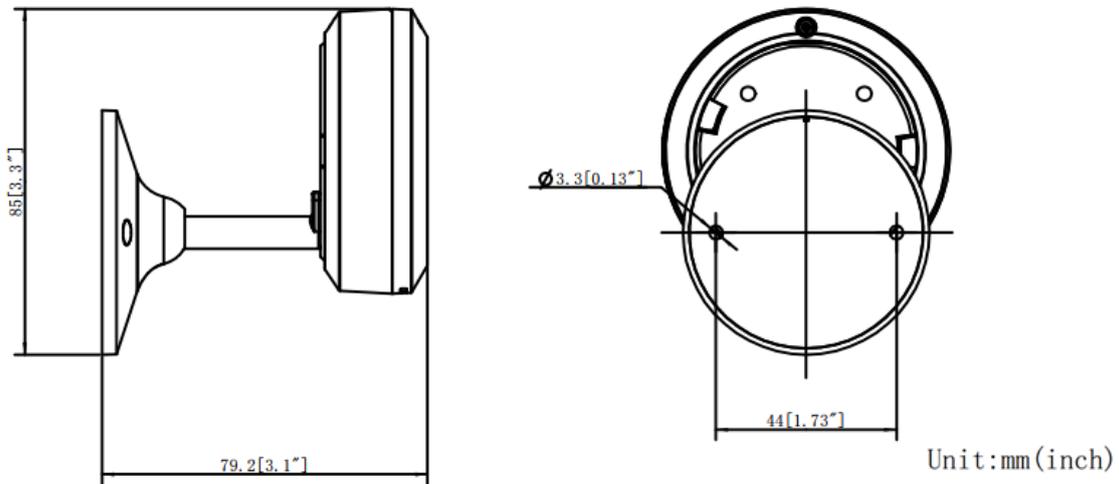
▪Dimension



Unit:mm (inch)



Unit:mm (inch)



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